

ARES Plus Tower

Improved battery life



1000VA ~ 3000VA

ARES PLUS tower has got a number of smart features that increase battery life. Thanks to the new Battery Discharge protection control function, it's perfect for medium voltage substations applications.

Features

- Online double conversion VFI protection from 1000VA to 3000VA
- Extreme battery lifetime thanks to:
 - wide input voltage tolerance (110-300V)
 - wide input frequency tolerance (44-66Hz)
 - intelligent battery management
- Battery discharge level control, settable 30-100% of the available capacity
- Precise patented backup time estimation
- 2 programmable IEC outlets plus two Schuko
- Cold start to activate loads without mains
- Multiple operation modes to maximize energy efficiency
- Strong overload capability to improve CB's selectivity
- Manually activated extra service check
- Firmware upgradable for updates and customization
- Remote EPO and On/Off functions
- RS232 and USB port, comm. slot
- CEI 0-16 compliant

Options

- USB card, RS485 card, dry contact relay card, SNMP/web card
- Extra RS232 card
- External battery cabinet
- Different outlets
- LED interface
- Ares Plus 3000 version with 8 batteries

What's in the Box

- Input power cable
- Output power cable

Battery Discharge Level Control

1. Set your battery discharge percent level (3-100%)
2. When UPS is in battery mode, it stops when the set battery level is reached
3. UPS will be capable to turn on and discharge battery completely upon subsequent cold start



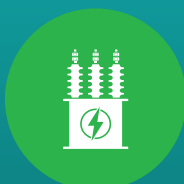
Servers



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Medium voltage substation



Healthcare

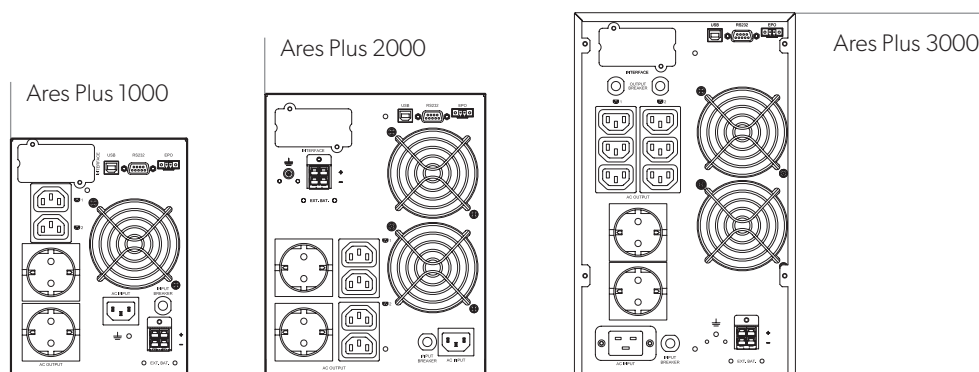
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Technical Specifications

Model		ARES PLUS 1000	ARES PLUS 2000	ARES PLUS 3000	
Input	Phase	Single phase			
	Voltage Range*	110~300Vac			
	Frequency Range	44~66Hz (Auto sensing)			
	Input Power Factor	>0.99 @ 100% linear load			
Output	Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W	
	Output Voltage	220/208/220/230/240 Vac			
	Output Power Factor	0.9			
	Output Voltage Distortion	<3% @ 100% Linear load <7% @ 100% non-linear load			
	Output Voltage Regulation	±1%			
	Frequency Range	±1Hz or ±3Hz (selectable)			
	Crest Factor	3:1			
	Output Waveform	Pure SineWave			
	Efficiency	Line Mode	Up to 92%		
High Efficiency Mode		Up to 96.5%			
Physical	Dimensions (WxHxD, mm)	154x211x382.4	192x250x470	192x319.9x486	
	Net Weight (kg)	11.6	22.2	29.8	
Battery	Capacity	12Vdc/7AH		12Vdc/9AH	
	Battery Number	3	6	6	
	Battery Voltage	36	72	72	
	Recharge Time (to 90%)	4 hours			
	Battery Bank	Code	BT060367-0000	BT120727-0000	
		Number of batteries	6	12	
		Battery type	Lead acid maintenance free 12V 7Ah/9Ah		
Dimensions (WxHxD, mm)	154 x 258.2 x 403.6	192 x 319.9 x 552.8			
Display	LCD measures	Voltage/Frequency/Load level/Battery voltage/Output current/Estimated back-up time/Temperature			
	Self-Diagnostics	Upon power-on, Front panel setting & software control, 24 hours routine check			
Alarm	Audible or Visual	Line failure/Battery low/Transfer to bypass/System fault			
Protection	Full Protection	Overload, over temperature, short circuit, deep discharge, overcharge			
Function	Multi-Mode	Normal/ECO/CVCF			
	DC Start	Yes			
Environment	Operation Temperature	0~40°C			
	Operation Humidity	0%~90% (without condensing)			
	Altitude	1000m without derating			
	Noise Level	≤50dBA @ 1 metre front			
Interface	Standard	RS-232, EPO, USB, Comm. Slot			
	Option	Dry contact card, SNMP/Web card, RS485			
	Compatible platforms	Microsoft Windows series, Linux, Mac			
Standards & Certifications	Safety & EMC	IEC EN 62040-1, IEC EN 62040-2			
	Performance	IEC EN 62040-3			
	Marks	CE			

Back Panels



Specifications subject to change without notice

* Based on load percentage

